Contents of Volume 121

Research Articles

J.-C. Dauvin (France)
Biologie, dynamique, et production de populations de crustacés amphipodes de la Manche occidentale. 3. *Ampelisca typica* (Bate) (JEM 01113) 1

R. Black, A. Lymbery and A. Hill (Australia)
Form and function: size of radular teeth and inorganic content of faeces in a guild of grazing molluscs at Rottnest Island, Western Australia (JEM 01116) 23

D.J. Barnes and M.J. Devereux (Australia)
Variations in skeletal architecture associated with density banding in the hard coral *Porites* (JEM 01118) 37

R.M. Ross, L.B. Quetin and E. Kirsch (U.S.A.)
Effect of temperature on developmental times and survival of early larval stages of *Euphausia superba* Dana (JEM 01119) 55

M.S. Peterson and R.G. Gilmore, Jr. (U.S.A.)
Hematocrit, osmolality, and ion concentrations in fishes: consideration of circadian patterns in the experimental design (JEM 01121) 73

A. Ugolini and T. Macchi (Italy)
Learned component in the solar orientation of *Talitrus saltator* Montagu (Amphipoda: Talitridae) (JEM 01126) 79

J.H. Choat, A.M. Ayling and D.R. Schiel (New Zealand)
Temporal and spatial variation in an island fish fauna (JEM 01120) 91

J. Epp, V.M. Bricelj and R.E. Malouf (U.S.A.)
Seasonal partitioning and utilization of energy reserves in two age classes of the bay scallop *Argopecten irradians irradians* (Lamarck) (JEM 01122) 113

E. Spanier and R.K. Zimmer-Faust (Israel, U.S.A.)
Some physical properties of shelter that influence den preference in spiny lobsters (JEM 01123) 137

S.J. Holbrook and R.J. Schmitt (U.S.A.)
Effects of predation risk on foraging behavior: mechanisms altering patch choice (JEM 01124) 151

J.C. Eberlee and K.B. Storey (Canada)
Tissue-specific biochemical responses during anoxia and recovery in the channeled whelk (JEM 01125) 165

E.E. DeMartini (U.S.A.)
Spawning success of the male plainfin midshipman. I. Influences of male body size and area of spawning site. (JEM 01127) 177

L.R. Cadman and M.P. Weinstein (U.S.A.)
Effects of temperature and salinity on the growth of laboratory-reared juvenile blue crabs *Callinectes sapidus* Rathbun (JEM 01128) 193

R.A. Shepherd, B. Knott and I.G. Eliot (Australia)
The relationship of juvenile southern mole crabs *Hippa australis* Hale (Crustacea: Anamura: Hippidae) to surficial swash water-circulation over several diurnal spring-tide cycles during winter conditions on a micro-tidal sandy beach (JEM 01130) 209

E. Sahlsten, F. Sörensson and K. Pettersson (Sweden)
Planktonic nitrogen uptake in the south-eastern Kattegat (JEM 01131) 227

CONTENTS OF VOLUME 121

H. Hummel, A.W. Fortuin, L. De Wolf and A. Meijboom (The Netherlands)
Mortality of intertidal benthic animals after a period of prolonged emersion (JEM 01136) 247
M.M.B. Talbot and G.C. Bate (South Africa)
The relative quantities of live and detrital organic matter in a beach–surf ecosystem (JEM 01139) 255

Author Index of Volume 121 267